

CLAIMS

We claim:

1. An evaporable getter device (10; 20) comprising a metallic container (101; 201) containing a mixture (104; 205) of BaAl₄ powder and Ni powder, and two metallic nets (106, 107; 207, 208) having different wire diameter and apertures, the nets being superimposed and inserted in the container over the powders.
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2. The device according to claim 1, wherein the first net (106, 207) has a wire diameter between 0.3 and 1.5 mm and apertures between 1.4 and 2.4 mm, and the second net (107, 208) has a wire diameter between 0.025 and 0.050 mm and apertures between 0.025 and 0.075 mm.
- 10 3. The device according to claim 2, wherein the first net faces the mixture of powders.
4. The device (10) according to claim 1, wherein the container (101) for the powders has a cylindrical shape, the container having an outer wall (102) and a bottom wall (103) defining a space (105) containing the powders (104).
- 15 5. The device (20) according to claim 1, wherein the container (201) for the powders has an annular shape, the container having an outer wall (202), a bottom wall (203), and a central rise (204) defining an annular space (206) containing the powders (205).
6. The device according to claim 1, wherein the metallic nets (106, 107; 207, 208) are secured to an outer wall (102; 202) of the container by welding.
- 20 7. The device according to claim 1, wherein the metallic nets (106, 107; 207, 208) are held in position inside the container by recesses of an outer wall (102; 202) obtained by mechanical deformation of the outer wall.
8. The device according to claim 1, wherein the container (101; 201) and the metallic nets (106, 107; 207, 208) are formed of a steel selected from the group of steels consisting of those in AISI 300 and AISI 400 series.
- 25 9. The device according to claim 8, wherein the steel comprises AISI 304 steel.